



SWEN90016

# Software Processes & Project Management

Individuals  
and Teams

2019– Semester 1  
Tutorial 4



Explore the **relationships** that exist between SDLC lifecycle models and team structures.





# Roles: Manager and Leader

AVAILABILITY



Power



Influence

What are the characteristics of each?



## Consider the individuals in the team (10 mins)

Consider your own strengths and weaknesses

What **roles** might you play in your project team?

Initiator: offers ideas, solutions, brainstorm, lateral thinker

Information seeker: wants facts

Information giver: describes own experience, offers facts, clarification

Coordinator: combine contribution of others

Evaluator: assess quality of contributions

Encourager: praising, accepting, cohesion and warmth

Harmonizer: build consensus, humor to neutralize anger

Standard setter: focus on goals, standards

Follower: agreeable

Group observer: provides feedback





## What roles are necessary for a high functioning team?

### Task

Initiator:

Information seeker:

Information giver:

Coordinator:

Evaluator:

### Maintenance

Encourager:

Harmonizer:

Standard setter:

Follower:

Group observer:

### Destructive

Blocker

Recognition seeker

Dominator:

Free rider:

Avoider:

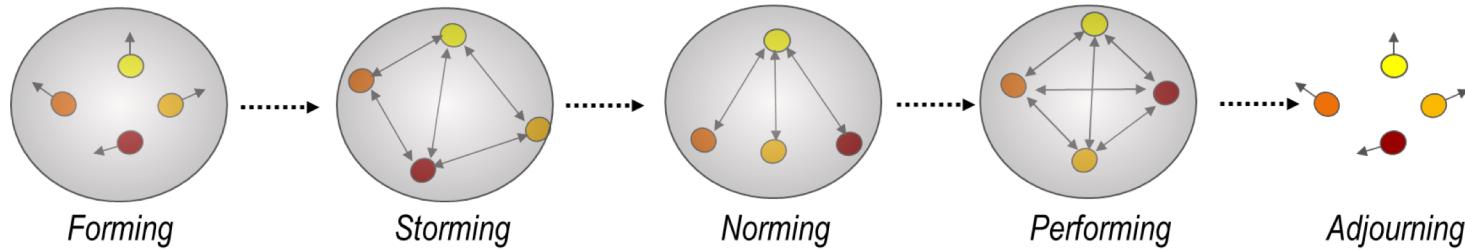
Lone wolf:

Reasonable combination



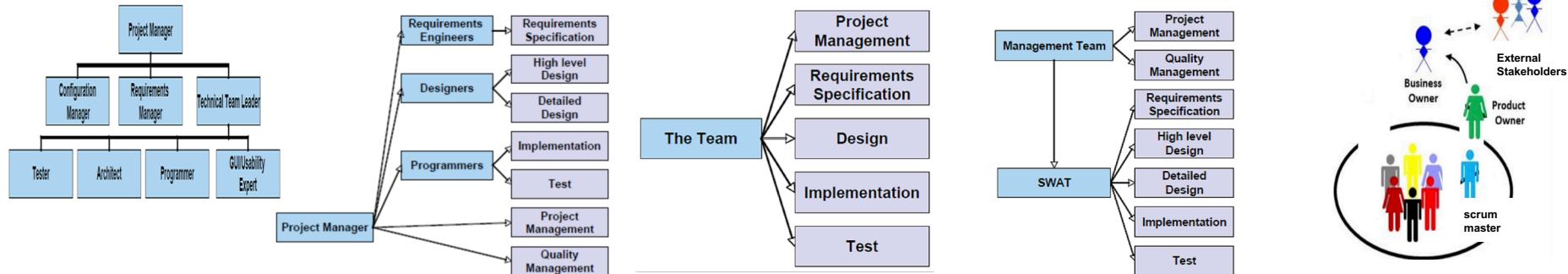
## Team life cycle

from Lecture, slide 52



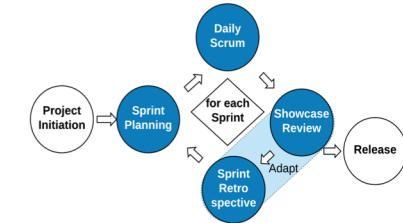
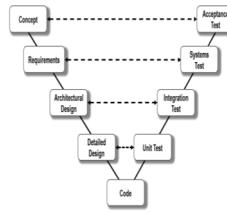
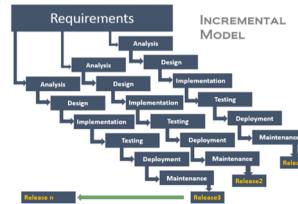
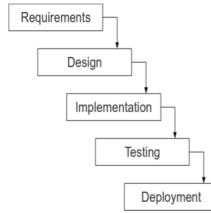
## Team structures

from Lecture, slide 58-62





Available online



The relationships between team structures and lifecycle models constrains the selection of both.

How you design your team will have an impact on the progress of the project.



Match an SDLC with an appropriate **team structure** for the Language Research Case Study.

Consider the SDLC processes. (10 mins)

What SDLC process did you choose in tutorial two?

What are the key activities in this SDLC?





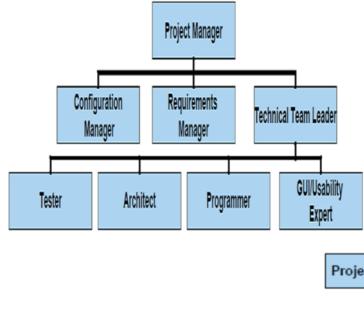
## Consider the team structure (15 mins)

Identify key roles appropriate for the Case Study project.

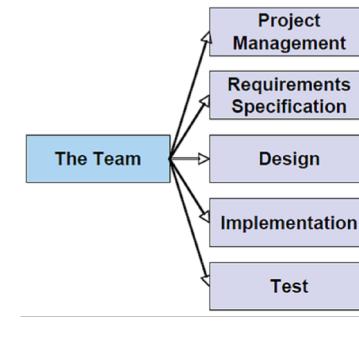
Identify the contributions these roles will bring.

Decide on a **structure** of the team (e.g. centralized, decentralized, etc).

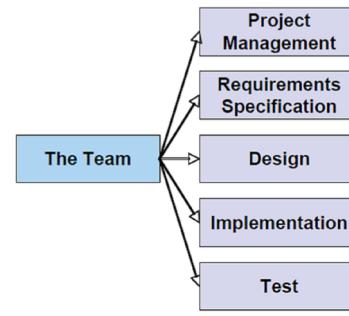
### Controlled Centralised



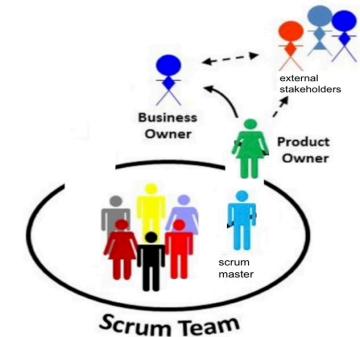
### Controlled Decentralised



### Democratic Decentralised



### Scrum Team





## Justification (10 mins)

- a) What specific aspects of the Case Study Project support this combination of SDLC process and team structure?



- b) What are the benefits of successful teams
- c) List factors required by successful teams

# Thank You!